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**INTERNATIONAL RESIDENTIAL CODE
PLUMBING/MECHANICAL
HEARING RESULTS**

RP1-06/07

PART I — IRC

Committee Action: Disapproved

Committee Reason: Data was not provided to verify that a lesser thickness will provide the protection intended.

Assembly Action: None

PART II — IPC

Committee Action: Disapproved

Committee Reason: Technical justification was not provided. There is no history of a problem with the current requirement. Adequate protection is needed from drywall screws.

Assembly Action: None

PART III - IFGC Withdrawn by Proponent

PART IV - IMC Withdrawn by Proponent

RP2-06/07

Committee Action: Approved as Modified

Modify the proposal as follows:

P2705.1 General. The installation of fixtures shall conform to the following:

1. Floor-outlet or floor-mounted fixtures shall be secured to the drainage connection and to the floor, where so designed, by screws, bolts, washers, nuts and similar fasteners of copper, brass or other corrosion-resistant material.
2. Wall-hung fixtures shall be rigidly supported so that strain is not transmitted to the plumbing system.
3. Where fixtures come in contact with walls and floors, the contact area shall be water tight.
4. Plumbing fixtures shall be usable.
5. Water closets, ~~urinals~~, lavatories and bidets. A water closet, ~~urinal~~, lavatory or bidet shall not be set closer than 15 inches (381 mm) from its center to any side wall, partition or vanity or other obstruction, or closer than 30 inches (762 mm) center-to-center between adjacent fixtures. There shall be at least a 21-inch (533 mm) clearance in front of the water closet, ~~urinal~~, lavatory or bidet to any wall, fixture or door. ~~Water closet compartments shall be not less than 30 inches (762 mm) wide and 60 inches (1524 mm) deep.~~
6. The location of piping, fixtures or equipment shall not interfere with the operation of windows or doors.
7. In areas prone to flooding as established by Table R301.2(1), plumbing fixtures shall be located or installed in accordance with Section R323.1.5.
8. Integral fixture-fitting mounting surfaces on manufactured plumbing fixtures or plumbing fixtures constructed on site, shall meet the design requirements of ASME A112.19.2 or ASME A112.19.3.

Committee Reason: The proposed text will coordinate the IRC with the IPC and improves the IRC coverage by addressing lavatories and all adjacent fixtures. The modifications delete text that is not germane to the IRC and also deletes a vague reference to "other construction."

Assembly Action: None

RP3-06/07

Committee Action: Approved as Modified

Modify the proposal as follows:

P2706.2.1 Laundry ~~tray~~ tray connection. A laundry ~~tray~~ waste line is permitted to connect into a standpipe for the automatic clothes washer drain. The standpipe shall extend not less than 30 inches (762 mm) above the trap weir and shall extend above the flood level rim of the laundry ~~tray~~. The outlet of the laundry tray shall be a maximum horizontal distance of 30 inches (762 mm) from the standpipe trap.

Committee Reason: If the top of the standpipe into which the laundry tray discharges is at or below the flood level rim of the laundry tray, the standpipe will overflow if the laundry tray fills with water. The modification retains the term "tray" to coordinate with the committee recommendation for P40-06/07, Part II.

Assembly Action: None

RP4-06/07

Committee Action: Approved as Submitted

Committee Reason: The revised text is the appropriate terminology for the residential code, whereas, the current terms are more related to commercial occupancies.

Assembly Action: None

RP5-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed revision will eliminate a conflict with current Section P2902.3.1 which requires air gaps for dishwashing machines.

Assembly Action: None

RP6-06/07

Committee Action: Disapproved

Committee Reason: A clothes washer pan is an unnecessary expense. The pan size is not stated. A pan may encourage an owner to ignore a leaking machine. Machines get moved and the pan may not remain in place.

Assembly Action: None

RP7-06/07

Committee Action: Approved as Submitted

Committee Reason: Requiring ready access will prevent a floor drain from being located under an appliance where it would not be within sight and where it could not be serviced or cleaned.

Assembly Action: None

RP8-06/07

Committee Action: Approved as Modified

Modify the proposal as follows:

P2720.1 Access to pump. Access shall be provided to circulation pumps in accordance with the fixture or pump manufacturer's installation instructions. Where the manufacturer's instructions do not specify the location and minimum size of field fabricated access openings, a 12-inch by 12-inch (304 mm by 304 mm) minimum size opening shall be installed to provide access to the circulation pump. Where pumps are located more than 2 feet (609 mm) from the access opening, an 18-inch by 18-inch (457 mm by 457 mm) minimum size opening shall be installed. A door or panel shall be permitted to close the opening. In all cases, the access opening shall be unobstructed and be of the size necessary to permit the removal and replacement of the circulation pump.

Committee Reason: The proposed revision addresses pumps that are not original equipment with the fixture and coordinates with the IPC. The modification retains the word "installation" as the correct descriptor of the type of instructions, so as to be consistent with other sections of the code.

Assembly Action: None

RP9-06/07

Committee Action: Approved as Submitted

Committee Reason: The reference to Section 1305 (1305.1 specifically) will require that water heaters and tanks be accessible for service and/or replacement without having to alter any other appliance or system installation. Manufacturers' instructions generally do not address attic and crawl space installations.

Assembly Action: None

RP10-06/07

Committee Action: Disapproved

Committee Reason: The first sentence as modified suggests that gas-fired appliances do not need to be elevated. Current text in Chapter 24 already covers gas-fired appliances.

Assembly Action: None

RP11-06/07

Committee Action: Disapproved

Committee Reason: The proposed requirement should be applicable only to tank-type electric and fuel-fired appliances. Tankless water heaters do not need such protection.

Assembly Action: None

RP12-06/07

Committee Action: Disapproved

Committee Reason: The CSA standards proposed to be deleted have not been shown to be deficient and the ICC Referenced Standards Committee has not been made aware of problems with such standards. There have been no reported failures of devices listed to the CSA standards. Having differences between USA and Canadian standards does not mean that either is deficient.

Assembly Action: None

RP13-06/07

Committee Action: Disapproved

Committee Reason: The CSA standards proposed to be deleted have not been shown to be deficient and the ICC Referenced Standards Committee has not been made aware of problems with such standards. There have been no reported failures of devices listed to the CSA standards. Having differences between CSA and Canadian standards does not mean that either is deficient.

Assembly Action: None

RP14-06/07

Note: The following analysis was not in the Code Change Proposal book but was published in the "Errata to the 2006/2007 Proposed Changes to the International Codes and Analysis of Proposed Referenced Standards" provided at the code development hearings.

Analysis: Review of the proposed new standard was not done since the standard was not provided.

Committee Action: Approved as Submitted

Committee Reason: The proposed text needed guidelines for the installation, location and protection of these devices.

Assembly Action: None

RP15-06/07

Committee Action: Approved as Submitted

Committee Reason: The intent of the current text is vague with regard to where such devices are required. These devices are often required for ice makers and humidifiers where they are not needed.

Assembly Action: None

RP16-06/07

Committee Action: Approved as Submitted

Committee Reason: The current pipe sizing methodology is overkill resulting in piping larger than necessary. The proposed method will allow more accurate sizing.

Assembly Action: None

RP17-06/07

Committee Action: Approved as Submitted

Committee Reason: The stricken text is redundant with other sections of the code. There is no reason to make a distinction between underground and aboveground water distribution pipe. This revision will coordinate the IRC with the IPC.

Assembly Action: None

RP18-06/07

Committee Action: Approved as Submitted

Committee Reason: The stricken text is not found in the IPC and there is no justification for the limitations on joint types.

Assembly Action: None

RP19-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed revision coordinates the IRC with the IPC and substitutes the correct and understandable term for describing different plastics.

Assembly Action: None

RP20-06/07

Committee Action: Approved as Submitted

Committee Reason: The revised table will require fittings to comply with applicable fittings standards as opposed to pipe standards. The reference to water pipe fittings and Section P3101.2.1 makes no sense as they are unrelated to drainage fittings.

Assembly Action: None

RP21-06/07

Committee Action: Disapproved

Committee Reason: No technical justification was provided to demonstrate that current text is incorrect.

Assembly Action: None

RP22-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed text will coordinate the IRC with the IPC and will provide more complete and detailed coverage for sewage pumps and sumps.

Assembly Action: None

RP23-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed text will coordinate the IRC with the IPC and provides referenced product standards for the devices and more detailed installation requirements.

Assembly Action: None

RP24-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed revision is consistent with current Section P3108.4 and clearly states the intent that each fixture connect independently to its vent, the wet vent. This will prevent the common violation of two or more fixture drains being connected together before connecting to the wet vent.

Assembly Action: None

RP25-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed revision coordinates the IRC with the IPC and eliminates the reference to drinking fountains which are not typically within the scope of the IRC.

Assembly Action: None

RP26-06/07

Committee Action: Approved as Submitted

Committee Reason: The proposed revision will coordinate the IRC and the IPC Section 917.3.

Assembly Action: None

RP27-06/07

Committee Action: Approved as Submitted

Committee Reason: The IRC currently lacks any coverage for storm drainage systems. The proposed text will provide the same coverage as found in the IPC.

Assembly Action: None

**INTERNATIONAL RESIDENTIAL CODE
PLUMBING/MECHANICAL
HEARING RESULTS**

RM1-06/07

Committee Action: **Approved as Submitted**

Committee Reason: This code change expands the scope of the section to include all furnaces and air handlers, not just central furnaces. They all require clearance for working space.

Assembly Action: **None**

RM2-06/07

Committee Action: **Disapproved**

Committee Reason: This requirement is already in the IRC in the electrical section which is appropriate because the installation of the receptacle is the responsibility of the electrical installer rather than the mechanical installer.

Assembly Action: **None**

RM3-06/07

Committee Action: **Approved as Submitted**

Committee Reason: This code change adds a reference to the plumbing chapters of this code to insure that the condensate piping is properly installed, especially the primer requirements for plastic pipe which are not provided in the mechanical chapters.

Assembly Action: **None**

RM4-06/07

Committee Action: **Approved as Submitted**

Committee Reason: This change is needed to clarify which standard applies to oil-fired heaters and solid fuel-fired heaters.

Assembly Action: **None**

RM5-06/07

Committee Action: **Disapproved**

Committee Reason: The "other areas" text needs to remain in the code because there are more places around a house where condensate can cause a nuisance, such as in the yard where pooling water could cause mildew or mosquito problems.

Assembly Action: **None**

RM6-06/07

Committee Action: **Approved as Modified**

Modify the proposal as follows:

M1502.1 General. Clothes dryers shall be exhausted in accordance with the manufacturer's instructions. ~~Dryer exhaust systems shall be independent of all other systems, and shall convey the moisture to the outdoors.~~

~~**Exception:** This section shall not apply to listed and labeled condensing (ductless) clothes dryers.~~

M1502.2 Independent exhaust systems. Dryer exhaust systems shall be independent of all other systems, and shall convey the moisture to the outdoors.

Exception: This section shall not apply to listed and labeled condensing (ductless) clothes dryers.

Committee Reason: This code change will insure that the manufacturer's instructions are followed as well as the requirements of the section. The modification adds a new Section M1502.2 and renumbers all existing sections.

Assembly Action: **None**

RM7-06/07

Committee Action: **Approved as Modified**

Modify the proposal as follows:

M1502.2 Duct termination. Exhaust ducts shall terminate on the outside of the building. Exhaust duct terminations shall be made in accordance with the dryer manufacturer's installation instructions. ~~Exhaust ducts shall terminate at a location as required by the manufacturer's instructions.~~ If the manufacturer's instructions do not specify a termination location, the exhaust duct shall terminate not less than 3 feet (914 mm) in any direction from openings into buildings. Exhaust duct terminations shall be equipped with a backdraft damper. Screens shall not be installed at the duct termination.

Committee Reason: This code change provides direction for terminating clothes dryer exhaust ducts when the manufacturer's instructions are not available or provide no guidance. This action is consistent with the action taken on RM6-06/07. The modification removes language duplicated in this section.

Assembly Action: **None**

RM8-06/07

Committee Action: **Disapproved**

Committee Reason: Many dryer manufacturer's instructions specify tape rather than rivets or screws; this change will violate those instructions.

Assembly Action: **None**

RM9-06/07

Committee Action: Disapproved

Committee Reason: The gage designations are becoming obsolete in the steel industry. Gage dimensions vary and this change could lead to installing a duct with inappropriate thickness. Using minimum thickness is more accurate.

Assembly Action: None

RM10-06/07

Committee Action: Disapproved

Committee Reason: This proposal would preclude the use of other means of fastening dryer exhaust ducts that are currently acceptable. This action is consistent with the action taken on RM8-06/07.

Assembly Action: None

RM11-06/07

Committee Action: Approved as Submitted

Committee Reason: This code change removes the implication that large radius fittings require an engineering evaluation prior to installation. That would be excessive and too expensive for most homeowners.

Assembly Action: None

RM12-06/07

Committee Action: Disapproved

Committee Reason: Section M1502.2 already requires exhaust ducts. The proposed language does not actually require a rough-in inspection. If ductless clothes dryers are planned to be installed, this proposal would still require an exhaust duct system.

Assembly Action: Approved as Submitted

RM13-06/07

Committee Action: Disapproved

Committee Reason: The two sections revised by this proposal seem to conflict; the exception to Section M1503.1 allows ductless range hoods but Section M1503.3 requires a hood to exhaust to the outdoors. How would this be enforced in a typical kitchen with only one range?

Assembly Action: None

RM14-06/07

Committee Action: Disapproved

Committee Reason: The phrase "at the discretion of the code official" is inappropriate code language which leads to inconsistent enforcement in the field. The committee preferred code change M65-06/07 Part II, which also provides guidance for automatic control of the makeup air with the exhaust hood.

Assembly Action: None

RM15-06/07

Committee Action: Disapproved

Committee Reason: Sections R303.3 and R303.3.1 have conflicting requirements; the first allows glazing and the second requires mechanical exhaust with no exception. No data was provided to show that windows do not work. This language could be interpreted to require mechanical exhaust in places where it would be unnecessary, such as an outdoor cabana.

Assembly Action: None

RM16-06/07

Committee Action: Disapproved

Committee Reason: This proposal includes all vented appliances except direct-vent, but ASHRAE 62.2 (the basis of this code change) only addresses atmospherically vented appliances; there has been no study concerning power vented or fan-assisted vented appliances. It is not clear why whole house fans would be exempted. The language requires the overall exhaust capacity to be reduced or outdoor air to be provided, but offers no guidance to determine how much reduction or outdoor air is required.

Assembly Action: None

RM17-06/07

Committee Action: Disapproved

Committee Reason: No data was provided to show the effectiveness of this proposal. There was some question as to whether there was a fire or smoke detector on the market that could be tied into the whole house fan without violating the listing of the detector.

Assembly Action: None

RM18-06/07

Note: The following analysis was not in the Code Change Proposal book but was published in the "Errata to the 2006/2007 Proposed Changes to the International Codes and Analysis of Proposed Reference Standards" provided at the code development hearings:

Analysis: Review of proposed new standard indicated that, in the opinion of ICC Staff, the standard did comply with ICC standards criteria.

Committee Action: Disapproved

Committee Reason: This is an optional accessory for a home that can be added now through the alternate methods section. There is no need to add this to the IRC.

Assembly Action: None

RM19-06/07

Committee Action: Approved as Submitted

Committee Reason: Section M1601.2.1 for insulation of ducts is a subsection of Section M1601.2 which relates to factory-made ducts. The insulation section should be a stand alone section because insulation is not relevant to factory-made ducts.

Assembly Action: None

RM20-06/07

Committee Action: Approved as Submitted

Committee Reason: This code change allows adding a third screw to a duct joint, to prevent a hinge effect, in partially inaccessible locations, such as between floor joists, without having to space the screws equally around the entire joint.

Assembly Action: None

RM21-06/07

Committee Action: Approved as Submitted

Committee Reason: This proposal adds some guidance for joining plastic ducts and fittings which has been missing from the code.

Assembly Action: None

RM22-06/07

Note: The following analysis was not in the Code Change Proposal book but was published in the "Errata to the 2006/2007 Proposed Changes to the International Codes and Analysis of Proposed Reference Standards" provided at the code development hearings:

Analysis: Review of proposed new standard indicated that, in the opinion of ICC Staff, the standard did comply with ICC standards criteria.

Committee Action: Disapproved

Committee Reason: The proponent requested disapproval to allow him to rework portions of the proposal such as the prohibition of furnaces and air handlers in garages which would be allowed by their listing and installation instructions and is not a requirement of ASHRAE 62.2.

Assembly Action: None

RM23-06/07

Committee Action: Disapproved

Committee Reason: The language concerning provisions for return air is considered confusing. The term "plenum" is considered to be ambiguous because of the different types of plenums described in the codes.

Assembly Action: None

RM24-06/07

Committee Action: Approved as Submitted

Committee Reason: This code change will increase the safety of homes by preventing fumes and vapors from the garage from being transferred to the living space through the ducts.

Assembly Action: None

RM25-06/07

Committee Action: Disapproved

Committee Reason: The committee preferred the language in code change RM 24-06/07. The first sentence of this proposal could be interpreted to apply to radiant heat systems in garages which would have no ducts.

Assembly Action: None

RM26-06/07

Committee Action: Disapproved

Committee Reason: This change would be inappropriate because Chapter 24 only applies to gas-fired combustion air requirements which cannot be applied to oil-fired or solid fuel-burning appliances in this chapter.

Assembly Action: None

RM27-06/07

Committee Action: Disapproved

Committee Reason: Limiting this section to clothes closets is too narrow for addressing storage spaces. Combustible liquids and hazardous materials stored in a space with a fuel-fired water heater are a major concern and this proposal would not address this concern.

Assembly Action: None
